

2003

Births To Teens

In Wisconsin

*Bureau of Health Information and Policy
Division of Public Health
Wisconsin Department of Health and Family Services*

Births To Teens In Wisconsin

2003

October 2004

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Division of Public Health
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Foreword

The Department of Health and Family Services is mandated by section 69.03 (9), Wisconsin Statutes, to prepare annual reports on vital statistics. *Births to Teens in Wisconsin, 2003* includes relevant information already presented in the annual *Wisconsin Births and Infant Deaths* report, as well as additional information on teen births not included in that report. This publication was prepared by the Department of Health and Family Services in the Bureau of Health Information and Policy.

The Bureau of Health Information and Policy is a new bureau in the Division of Public Health. It comprises the former Bureau of Health Information (which was part of the Division of Health Care Financing) and selected policy staff from the Division of Public Health.

The material in this report was compiled by Laura Ninneman in the Vital Records Section of the Bureau of Health Information and Policy. Pat Nametz edited the report. Draft review was provided by Murray L. Katcher, M.D., Ph.D., Bureau of Community Health Promotion, Division of Public Health; and by Sandra Park in the Bureau of Health Information and Policy, Population Health Information Section. The report was prepared under the supervision of John Kiesow, State Registrar, Vital Records Section, and Jane Kraus, Supervisor, Registration and Statistics Unit; and the overall direction of Susan Wood, Director, Bureau of Health Information and Policy.

Additional health-related statistical information for Wisconsin is available through the Internet on the Department of Health and Family Services site, at <http://dhfs.wisconsin.gov/stats/>. Wisconsin Interactive Statistics on Health (WISH) is an online data query system, located at <http://www.dhfs.wisconsin.gov/wish>, which includes birth data for multiple years and geographic areas in Wisconsin. Trend tables of maternal and child health data for individual counties are available at <http://www.dhfs.wisconsin.gov/localdata/infantspgwomn/start.htm>.

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Suggested citation:

Wisconsin Department of Health and Family Services, Division of Public Health,
Bureau of Health Information and Policy. *Births to Teens in Wisconsin, 2003* (PPH 5365-03).
October, 2004.

Introduction

This report presents information on teen births, based primarily on data collected from the confidential portion of the birth record. It presents data for 2003 and other relevant years in two main sections: "Statewide Information" and "Local Information."

Data files used in the report are the resident birth certificate file, the matched infant birth-death file, the fetal death file, and the reported induced abortion publication. All data refer to Wisconsin residents unless otherwise noted.

All the information is presented according to place of residence. This means that events have been assigned to the area where the person lives (usually legal residence) regardless of where the events occurred. For births, the reference is to the residence of the mother. For deaths, the reference is to the residence of the infant.

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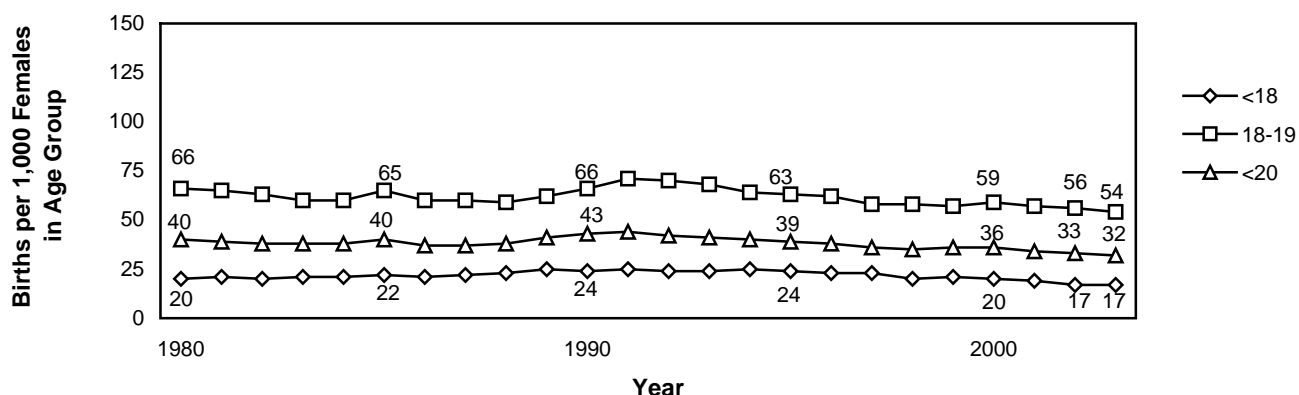
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Table 1. Births to Teens by Age Group, Wisconsin, 1970-2003

Year	Number of Teen Births		Total Births	Number of Teen Births		Percent of Teen Births		Percent Of All Births	Percent of Teen Births	Percent of All Births
	<15	15-17		18-19	<20	<15	15-17	<18	18-19	<20
1970	87	2,522	2,609	7,088	9,697	0.9%	26.0%	3.4%	73.1%	12.5%
1971	98	2,575	2,673	6,774	9,447	1.0	27.3	3.7	71.7	13.1
1972	88	2,846	2,934	6,267	9,201	1.0	30.9	4.5	68.1	14.2
1973	120	3,013	3,133	6,651	9,784	1.2	30.8	5.0	68.0	15.6
1974	119	3,100	3,219	6,435	9,654	1.2	32.1	4.9	66.7	14.8
1975	103	3,256	3,359	6,279	9,638	1.1	33.8	5.2	65.1	14.8
1976	125	2,970	3,095	6,111	9,206	1.4	32.3	4.8	66.4	14.2
1977	103	2,920	3,023	6,094	9,117	1.1	32.0	4.4	66.8	13.3
1978	72	2,865	2,937	5,940	8,877	0.8	32.3	4.3	66.9	12.9
1979	120	2,688	2,808	6,473	9,281	1.3	28.9	3.8	69.7	12.7
1980	93	2,741	2,834	6,379	9,213	1.0	29.8	3.8	69.2	12.3
1981	94	2,655	2,749	6,029	8,778	1.1	30.2	3.7	68.7	11.8
1982	91	2,452	2,543	5,659	8,202	1.1	29.9	3.4	69.0	11.0
1983	98	2,397	2,495	5,258	7,753	1.3	30.9	3.4	67.8	10.7
1984	98	2,305	2,403	4,973	7,376	1.3	31.2	3.3	67.4	10.1
1985	123	2,389	2,512	4,976	7,488	1.6	31.9	3.4	66.4	10.2
1986	121	2,340	2,461	4,679	7,140	1.7	32.8	3.4	65.5	9.9
1987	114	2,369	2,483	4,425	6,908	1.7	34.3	3.5	64.1	9.7
1988	133	2,322	2,455	4,486	6,941	1.9	33.5	3.5	64.6	9.8
1989	141	2,416	2,557	4,707	7,264	1.9	33.3	3.6	64.8	10.1
1990	148	2,337	2,485	4,925	7,410	2.0	31.5	3.4	66.5	10.2
1991	147	2,440	2,587	4,828	7,415	2.0	32.9	3.6	65.1	10.3
1992	159	2,427	2,586	4,622	7,208	2.2	33.7	3.7	64.1	10.2
1993	175	2,481	2,656	4,576	7,232	2.4	34.3	3.8	63.3	10.4
1994	161	2,497	2,658	4,379	7,037	2.3	35.5	3.9	62.2	10.3
1995	182	2,549	2,731	4,379	7,110	2.6	35.9	4.0	61.6	10.5
1996	143	2,507	2,650	4,453	7,103	2.0	35.3	4.0	62.7	10.6
1997	163	2,541	2,704	4,384	7,088	2.3	35.8	4.1	61.9	10.7
1998	111	2,366	2,477	4,570	7,047	1.6	33.6	3.7	64.9	10.5
1999	116	2,432	2,548	4,760	7,308	1.6	33.3	3.7	65.1	10.7
2000	99	2,225	2,324	4,753	7,077	1.4	31.4	3.4	67.2	10.2
2001	80	2,167	2,247	4,602	6,849	1.2	31.6	3.3	67.2	9.9
2002	108	1,898	2,006	4,528	6,534	1.7	29.0	2.9	69.3	9.5
2003	85	1,861	1,946	4,371	6,317	1.3	29.5	2.8	69.2	9.0

Sources: Wisconsin Bureau of Health Information and Policy, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Maternal and Child Health Statistics* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2003.

Note: The numbers of 1996 teen births reported here are different from those published earlier because other states filed three duplicate records for Wisconsin resident teen births.

Figure 1. Age-Specific Teen Birth Rates, Wisconsin, 1980-2002

Sources: Wisconsin Bureau of Health Information and Policy, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Public Health Profiles* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2003.

Note: The <18 (less than 18) and <20 (less than 20) birth rates are per 1,000 females aged 15-17 and 15-19, respectively, but include births to mothers less than 15.

Table 2a. Age-Specific Teen Birth Rates, Wisconsin and United States, 2003

Age	Wisconsin Rate		U.S. Rate
15-19	31.6	(31.2)*	43.0
15-17	16.3	(15.5)*	23.2
18-19	54.6		72.8

Sources: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2003*. United States rates are from the *National Vital Statistics Report*, Vol. 52, No. 10, 2003.

Notes: Rates are the number of births per 1,000 females in the age group. Wisconsin rates shown for births to mothers aged 15-19 and 15-17 includes 85 births to mothers less than 15 years old. U.S. rates for ages 15-19 and 15-17 do not include births to mothers less than 15 years old.

* Rates in parentheses are calculated to be comparable to U.S. rates, which exclude mothers younger than 15.

Table 2b. Teen Birth Rates, Wisconsin and United States, 1980-2003

	1980	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Ages 15-17															
Wisconsin	21	24	25	24	24	23	22	21	21	19	20	19	18	16	16
United States	33	38	39	38	38	38	36	34	32	30	29	27	25	23	23
Ages 15-19															
Wisconsin	40	42	44	42	41	39	38	37	35	35	35	35	34	32	32
United States	53	60	62	61	60	59	57	54	52	51	50	48	45	43	43

Sources: Wisconsin Bureau of Health Information and Policy, *Trends in Maternal and Child Health Statistics, 1968-1988*; *Public Health Profiles* for the years 1989-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2003. United States rates are from the National Center for Health Statistics (NCHS), *National Vital Statistics Report*.

Notes: Rates are the number of births per 1,000 females aged 15-19. Wisconsin rates for this table exclude births to mothers below age 15.

Table 3. Births to Teens by Age Group and Race/Ethnicity, Wisconsin, Selected Years

Year	Number of Births			Birth Rate
	<18	18-19	<20	<20
1993				
White	1,318	2,934	4,252	28.4
Black/African American	961	1,116	2,077	173.6
American Indian	61	116	177	100.3
Hispanic/Latino, Any Race	201	270	471	86.4
Total Births	2,656	4,576	7,232	42.8
2002				
White	853	2,656	3,509	20.9
Black/African American	642	958	1,600	105.0
American Indian	77	112	189	79.3
Hispanic/Latino, Any Race	322	610	932	108.0
Total Births	2,006	4,528	6,534	32.7
2003				
White	813	2,582	3,395	20.3
Black/African American	631	927	1,558	99.9
American Indian	68	117	185	76.2
Hispanic/Latino, Any Race	320	579	899	104.9
Total Births	1,946	4,371	6,317	32.5

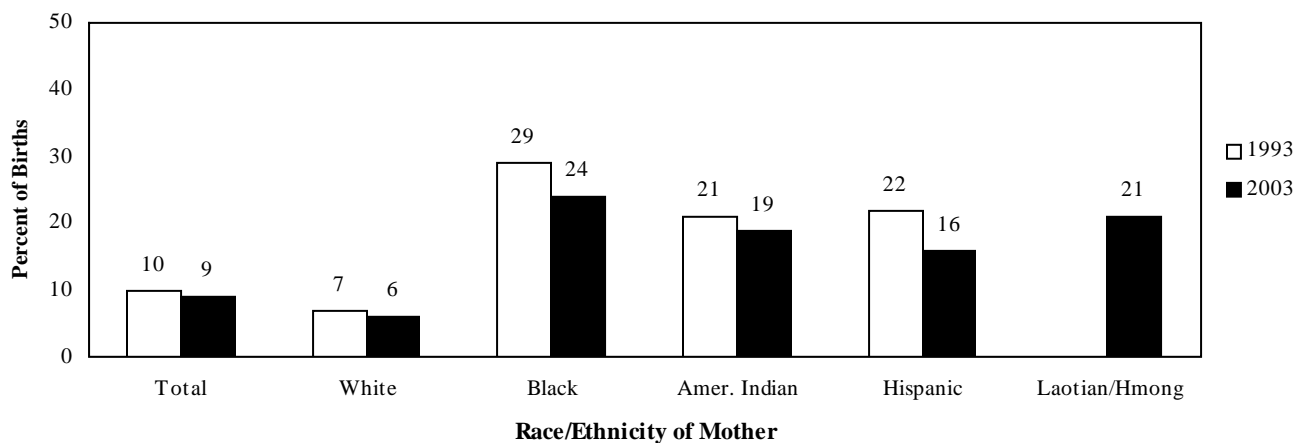
Sources: Wisconsin Bureau of Health Information and Policy, *Maternal and Child Health Statistics 1993; Wisconsin Births and Infant Deaths* for the years 2002 and 2003.

Notes: Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.) Because individuals could report more than one race for the first time during the 2000 Census, rates for earlier years are not directly comparable to those for 2000 and later.

The <20 birth rates are per 1,000 females aged 15-19, but include births to mothers less than 15.

Totals include all births to mothers in these age groups, regardless of race/ethnicity.

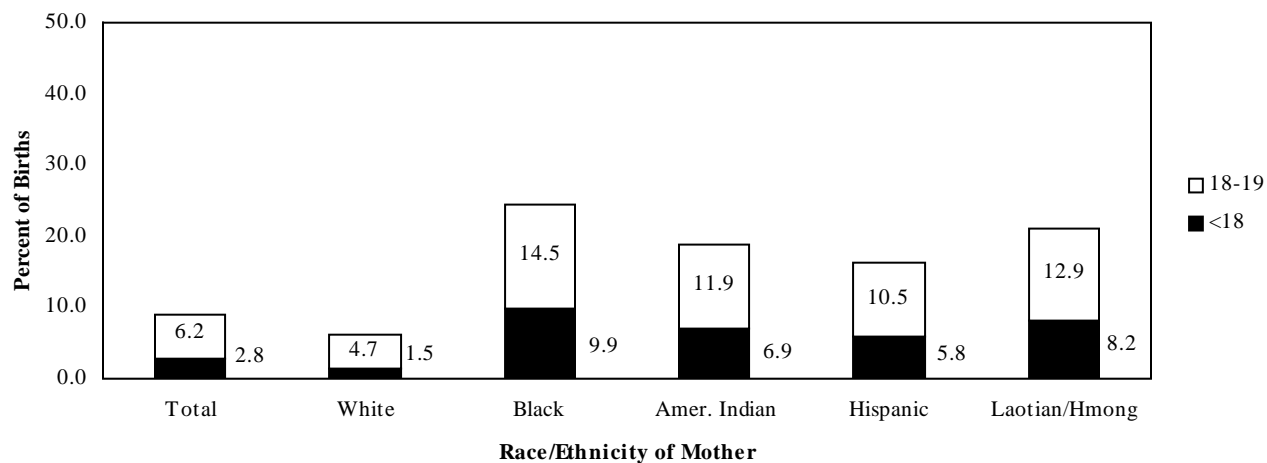
Figure 2. Births to Teens as a Percent of All Births in Each Race/Ethnicity Group, Wisconsin, 1993 and 2003



Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2003*.

Notes: Births to mothers of Hispanic origin are excluded from race categories in this figure because a Hispanic ethnicity category is shown (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within self-identified race categories.) In 2003, 5% of births to mothers whose race/ethnicity was considered to be in the “other” category were to teens (not shown). There are no comparable 1993 data for the Laotian/Hmong or “other” group.

Figure 3. Births to Teens as a Percent of All Births in Each Race/Ethnicity Group, by Maternal Age, Wisconsin 2003



Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2003*.

Notes: Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.)

Statewide Information

Table 4. Births to Teens by Marital Status, Wisconsin, Selected Years

Marital Status	1993	1996	1997	1998	1999	2000	2001	2002	2003
Married									
Number	1,265	1,146	1,095	1,077	1,149	1,096	1,018	1,048	897
Percent	17.5%	16.1%	15.4%	15.3%	15.7%	15.5%	14.9%	16.0%	14.2%
Unmarried									
Number	5,967	5,957	5,993	5,970	6,159	5,981	5,831	5,486	5,420
Percent	82.5%	83.9%	84.6%	84.7%	84.3%	84.5%	85.1%	84.0%	85.8%
Teen Births	7,232	7,103	7,088	7,047	7,308	7,077	6,849	6,534	6,317

Sources: Wisconsin Bureau of Health Information and Policy, *Maternal and Child Health Statistics* for the years 1992; *Wisconsin Births and Infant Deaths* for the years 1995-2003.

Note: Marital status was not reported for nine births in 2002 and ten births in 2003.

Table 5. Births to Teens Who Received First-Trimester Prenatal Care, by Age Group, Wisconsin, 1993-2003

Year	Less than 18		18-19		Less than 20		All Births/All Ages	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1993	1,527	57	2,973	65	4,500	62	57,251	82
1994	1,574	59	2,978	68	4,552	65	56,716	83
1995	1,628	60	3,074	70	4,702	66	56,155	83
1996	1,608	61	3,149	71	4,757	67	56,273	84
1997	1,640	61	3,167	72	4,807	68	56,112	84
1998	1,518	61	3,171	69	4,689	67	56,645	84
1999	1,520	60	3,401	71	4,921	67	57,203	84
2000	1,373	59	3,354	71	4,727	67	58,129	84
2001	1,345	60	3,219	70	4,564	67	57,747	84
2002	1,206	60	3,187	70	4,393	67	57,686	84
2003	1,196	61	3,147	72	4,343	69	59,296	85

Sources: Wisconsin Bureau of Health Information and Policy, *Maternal and Child Health Statistics* for the years 1991-1994; *Wisconsin Births and Infant Deaths* for the years 1995-2003.

Table 6. Second Order or Higher Births to Teens by Age Group, Wisconsin, Selected Years

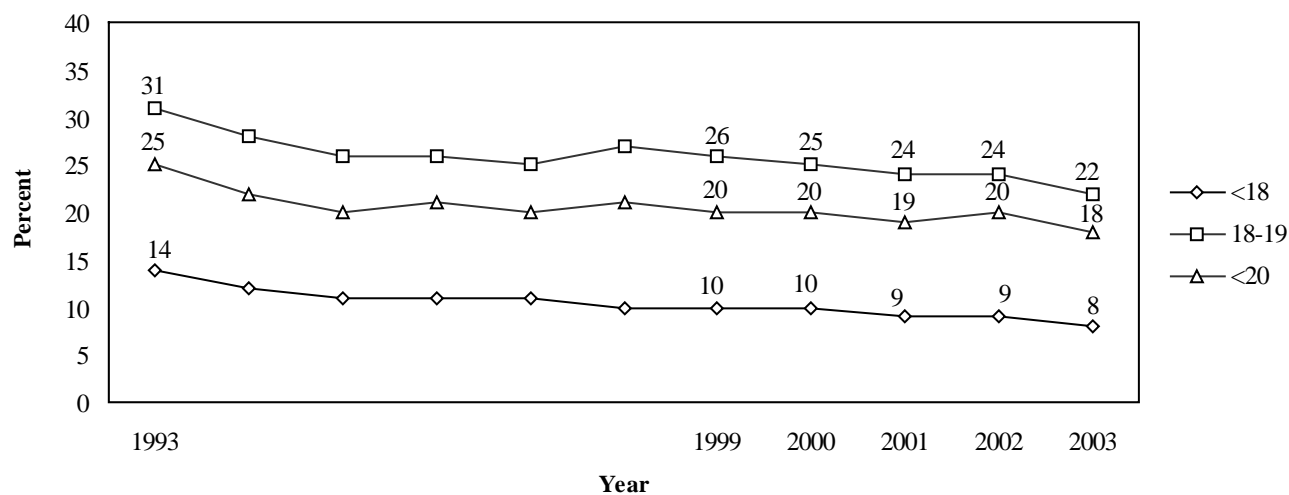
Age Group	1996	1997	1998	1999	2000	2001	2002	2003
Less than 18	289	295	251	263	244	200	175	161
18-19	1,179	1,097	1,233	1,229	1,197	1,088	1,103	973
Total <20	1,468	1,392	1,484	1,492	1,441	1,288	1,278	1,134

Sources: Wisconsin Births and Infant Deaths for the years 1995-2003.

Notes: Birth order means order of present birth in relation to previous births.

Birth order was not reported for one birth to mothers <18 and one birth to mothers 18-19 in 1996.

Figure 4. Percent of Second Order or Higher Births to Teens by Age Group, Wisconsin, 1993-2003



Sources: Wisconsin Bureau of Health Information and Policy, *Maternal and Child Health Statistics* for the years 1992-1994; Wisconsin Births and Infant Deaths for the years 1995-2003.

Table 7. Births to Teens by Age Group and Selected Characteristics, Wisconsin 2003

	<15	15-17	<18	18-19	<20	All Births All Ages
Total	85	1,861	1,946	4,371	6,317	69,999
Race/Ethnicity of Mother						
White	15	798	813	2,582	3,395	54,831
Black/African American	43	588	631	927	1,558	6,409
American Indian	4	64	68	117	185	981
Hispanic/Latino	21	299	320	579	899	5,522
Laotian/Hmong	1	82	83	130	213	1,010
Other	1	29	30	34	64	1,219
Unknown	-	1	1	2	3	27
Education of Mother						
Elementary. or Less	63	170	233	143	376	2,462
Some High School	22	1,554	1,576	1,680	3,256	8,389
High School Graduate	-	115	115	2,254	2,369	20,741
Some College	-	-	-	271	271	16,612
College Graduate	-	-	-	-	-	12,359
Post-Graduate	-	8	8	1	9	9,189
Unknown	-	14	14	22	36	247
Marital Status						
Married	1	152	153	744	897	48,492
Unmarried	84	1,709	1,793	3,627	5,420	21,497
Unknown	-	-	-	-	-	10
Trimester Prenatal Care Began						
First	42	1,154	1,196	3,147	4,343	59,296
Second	24	549	573	969	1,542	8,418
Third	15	120	135	192	327	1,618
No Prenatal Care	4	34	38	51	89	525
Unknown	-	4	4	12	16	142
Number of Prenatal Care Visits						
No Visits	4	34	38	51	89	525
1-4	10	100	110	178	288	1,774
5-9	32	592	624	1,171	1,795	12,952
10-12	26	740	766	1,823	2,589	31,269
13+	13	387	400	1,136	1,536	23,289
Unknown	-	8	8	12	20	190
Birthweight						
<1,500 grams	3	47	50	84	134	908
1500-2,499 grams	7	142	149	302	451	3,865
2,500+ grams	75	1,671	1,746	3,985	5,731	65,210
Unknown	-	1	1	-	1	16
<2,500 grams	10	189	199	386	585	4,773

(Continued)

Statewide Information

Table 7. Births to Teens by Age Group and Selected Characteristics, Wisconsin 2003

	<15	15-17	<18	18-19	<20	All Births All Ages
Smoked During Pregnancy						
No	78	1,526	1,604	3,263	4,867	60,173
Yes	7	333	340	1,107	1,447	9,769
Unknown	-	2	2	1	3	57
Live Birth Order						
First	82	1,703	1,785	3,398	5,183	27,894
Second	3	151	154	806	960	23,066
Third	-	7	7	142	149	11,226
Fourth	-	-	-	21	21	4,449
Fifth or Higher	-	-	-	4	4	3,359
Unknown	-	-	-	-	-	5
Plurality						
Single Birth	85	1,840	1,925	4,283	6,208	67,722
Multiple Birth	-	21	21	88	109	2,277

Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2003*.

Notes: Included in the total of all births are fifteen births for which age of mother was not reported. Births to mothers of Hispanic origin are excluded from race categories (see Technical Notes). (In contrast, Table 11 includes mothers of Hispanic origin within race categories.) A dash (-) indicates there were no births in that category.

Table 8. Fetal, Neonatal, and Infant Deaths by Teen Age Group, Wisconsin 2003

	<15	15-17	<18	18-19	<20	All Deaths All Ages
Fetal deaths						
Number	-	11	11	27	38	344
Rate	-	-	-	6.1	6.0	4.9
Neonatal deaths						
Number	1	18	19	26	45	309
Rate	-	-	-	5.9	7.1	4.4
Infant deaths						
Number	2	27	29	47	76	454
Rate	-	14.5	14.9	10.8	12.0	6.5

Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2003*.

Notes: The fetal death rate is the number of reported fetal deaths per 1,000 live births and fetal deaths (see Technical Notes). (Fetal deaths are reportable only when fetal gestation is 20 weeks or more.)

The neonatal death rate is the number of deaths occurring before 28 days of age, per 1,000 live births.

The infant death rate is the number of deaths occurring before one year of age, per 1,000 live births.

Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Table 9. Births to Teens by Age Group and County of Residence, Wisconsin 2003

County	<15	15-17	<18	18-19	<20	All Births All Ages
Total	85	1,861	1,946	4,371	6,317	69,999
Adams	-	8	8	13	21	161
Ashland	1	4	5	23	28	208
Barron	-	11	11	36	47	540
Bayfield	-	2	2	4	6	111
Brown	7	91	98	202	300	3,364
Buffalo	-	3	3	4	7	150
Burnett	-	6	6	12	18	138
Calumet	-	9	9	24	33	640
Chippewa	-	7	7	38	45	681
Clark	-	12	12	24	36	532
Columbia	1	7	8	34	42	646
Crawford	-	4	4	12	16	224
Dane	3	86	89	217	306	5,725
Dodge	1	14	15	64	79	963
Door	-	1	1	18	19	265
Douglas	-	16	16	35	51	501
Dunn	-	13	13	30	43	470
Eau Claire	-	22	22	67	89	1,110
Florence	-	-	-	2	2	37
Fond du Lac	-	21	21	65	86	1,209
Forest	1	2	3	13	16	122
Grant	-	16	16	39	55	584
Green	-	11	11	16	27	397
Green Lake	-	1	1	16	17	231
Iowa	-	2	2	11	13	308
Iron	-	-	-	3	3	53
Jackson	-	10	10	16	26	231
Jefferson	2	19	21	53	74	980
Juneau	-	5	5	24	29	285
Kenosha	1	57	58	170	228	2,160
Kewaunee	-	2	2	14	16	255
La Crosse	1	34	35	73	108	1,247
Lafayette	-	4	4	4	8	173
Langlade	-	5	5	19	24	212
Lincoln	-	3	3	24	27	284
Manitowoc	1	34	35	66	101	867
Marathon	-	16	16	88	104	1,546
Marinette	-	5	5	33	38	458
Marquette	-	3	3	11	14	165
Menominee	-	8	8	10	18	90
Milwaukee	49	750	799	1,293	2,092	14,793
Monroe	1	17	18	33	51	624

(Continued)

Local Information

Table 9. Births to Teens by Age Group and County of Residence, Wisconsin 2003

County	<15	15-17	<18	18-19	<20	All Births All Ages
Oconto	-	11	11	27	38	392
Oneida	-	5	5	21	26	301
Outagamie	-	42	42	103	145	2,255
Ozaukee	-	4	4	25	29	874
Pepin	-	1	1	4	5	79
Pierce	-	5	5	11	16	481
Polk	1	13	14	25	39	477
Portage	1	13	14	52	66	772
Price	-	2	2	9	11	123
Racine	7	104	111	213	324	2,539
Richland	-	6	6	10	16	205
Rock	-	71	71	161	232	2,055
Rusk	1	3	4	10	14	170
St. Croix	-	6	6	35	41	1,018
Sauk	-	11	11	45	56	730
Sawyer	-	4	4	14	18	157
Shawano	-	8	8	27	35	479
Sheboygan	1	29	30	95	125	1,376
Taylor	-	2	2	15	17	242
Trempealeau	-	8	8	21	29	338
Vernon	-	4	4	18	22	409
Vilas	-	5	5	17	22	186
Walworth	3	32	35	68	103	1,160
Washburn	-	6	6	8	14	183
Washington	-	11	11	59	70	1,489
Waukesha	1	42	43	104	147	4,311
Waupaca	1	13	14	49	63	596
Waushara	-	8	8	29	37	247
Winnebago	-	40	40	96	136	1,745
Wood	-	11	11	47	58	870

Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2003*.

Notes: Included in the "all births" column is fifteen births for which age of mother was not reported. A dash (-) indicates there were no births in that category.

Local Information

Table 10. Teen Birth Rates and Estimated Pregnancy Rates by Age Group and County of Residence, Wisconsin 2003

County	Birth Rate			Estimated Pregnancy Rate		
	<18	18-19	<20	<18	18-19	<20
Total	16.3	54.6	31.6	22.5	69.6	41.4
Adams	-	-	41.1	-	-	56.7
Ashland	-	79.7	41.9	-	79.7	41.9
Barron	-	51.4	28.1	-	52.8	28.7
Bayfield	-	-	-	-	-	-
Brown	19.2	59.3	35.3	22.5	76.9	44.3
Buffalo	-	-	-	-	-	-
Burnett	-	-	-	-	-	-
Calumet	-	35.5	20.3	-	45.8	30.2
Chippewa	-	44.5	21.6	-	44.5	22.1
Clark	-	43.1	26.3	-	44.9	29.2
Columbia	-	45.9	23.0	-	71.6	35.6
Crawford	-	-	-	-	-	34.4
Dane	8.8	33.7	18.5	17.1	59.0	33.4
Dodge	-	53.3	27.0	13.9	61.7	33.5
Door	-	-	-	-	64.6	29.3
Douglas	-	55.8	33.4	-	55.8	33.4
Dunn	-	35.6	20.5	-	35.6	20.5
Eau Claire	8.1	34.2	19.0	8.1	35.2	19.5
Florence	-	-	-	-	-	-
Fond du Lac	10.0	44.0	24.0	15.7	57.6	32.9
Forest	-	-	-	-	-	-
Grant	-	42.5	25.0	16.4	51.2	31.0
Green	-	-	23.0	-	41.9	29.0
Green Lake	-	-	-	-	80.5	38.0
Iowa	-	-	-	-	-	-
Iron	-	-	-	-	-	-
Jackson	-	-	41.9	-	-	49.9
Jefferson	11.5	40.9	23.7	18.0	49.4	31.0
Juneau	-	74.3	34.5	-	92.9	44.0
Kenosha	17.1	75.9	40.4	23.6	91.9	50.7
Kewaunee	-	-	-	-	-	-
La Crosse	11.7	35.8	21.5	13.0	41.7	24.6
Lafayette	-	-	-	-	-	-
Langlade	-	-	33.4	-	74.4	37.6
Lincoln	-	59.9	27.6	-	67.4	32.7
Manitowoc	19.4	55.6	33.8	21.7	64.9	38.8
Marathon	-	45.9	22.0	8.9	57.4	28.5
Marinette	-	52.7	24.1	-	57.4	30.5
Marquette	-	-	-	-	-	39.7
Menominee	-	-	-	-	-	102.5
Milwaukee	39.6	98.2	62.8	54.4	129.1	83.9
Monroe	-	50.9	32.4	24.8	55.5	37.4

(Continued)

Table 10. Teen Birth Rates and Estimated Pregnancy Rates by Age Group and County of Residence, Wisconsin 2003

County	Birth Rate			Estimated Pregnancy Rate		
	<18	18-19	<20	<18	18-19	<20
Oconto	-	50.6	28.5	-	60.0	36.0
Oneida	-	45.3	22.3	-	53.9	30.0
Outagamie	11.5	41.6	23.6	16.9	56.1	32.8
Ozaukee	-	20.8	9.6	-	29.9	16.8
Pepin	-	-	-	-	-	-
Pierce	-	-	-	-	-	-
Polk	-	39.1	25.3	-	40.7	25.9
Portage	-	38.9	20.4	-	49.3	26.3
Price	-	-	-	-	-	-
Racine	28.5	77.7	48.9	36.8	93.0	60.0
Richland	-	-	-	-	-	42.2
Rock	21.5	75.8	42.7	25.1	82.9	47.7
Rusk	-	-	-	-	-	-
St. Croix	-	34.5	16.3	-	34.5	16.3
Sauk	-	59.9	28.6	-	83.8	38.8
Sawyer	-	-	-	-	-	-
Shawano	-	47.0	24.6	-	60.9	33.1
Sheboygan	12.8	60.3	31.9	14.5	75.0	38.8
Taylor	-	-	-	-	-	-
Trempealeau	-	59.7	31.4	-	62.5	34.7
Vernon	-	-	20.3	-	-	23.9
Vilas	-	-	35.7	-	84.3	47.0
Walworth	16.8	52.5	30.5	22.1	69.5	40.3
Washburn	-	-	-	-	-	-
Washington	-	36.1	17.3	10.3	48.4	25.7
Waukesha	5.5	20.8	11.5	9.5	35.4	19.6
Waupaca	-	65.3	34.7	18.8	73.3	41.4
Waushara	-	90.2	46.8	-	118.2	58.2
Winnebago	10.9	38.9	22.1	18.7	53.9	32.8
Wood	-	42.4	21.7	-	51.4	26.2

Sources: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2003*; and *Reported Induced Abortions in Wisconsin, 2003*. Population counts used to calculate rates are from United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These population estimates are provisional and subject to revision.

Notes: A birth rate is not calculated when there were fewer than 20 births for an age group in a county; this is indicated with a dash (-). Rates are per 1,000 females in the age group. The birth rates for mothers <20 and for mothers <18 include births to mothers below age 15.

$$<20 \text{ Birth Rate} = 1,000 \times \left(\frac{\text{No. of resident live births to mothers } <20}{\text{No. of females 15-19}} \right)$$

$$<18 \text{ Birth Rate} = 1,000 \times \left(\frac{\text{No. of resident live births to mothers } <18}{\text{No. of females 15-17}} \right)$$

The pregnancy rate is an estimate based on the number of live births, reported fetal deaths, and reported induced abortions. This underestimates the actual number of pregnancies because it does not include miscarriages not reported as fetal deaths. Fetal deaths are reportable when fetal gestation is 20 weeks or more. Pregnancies from border counties may also be underestimated because of limited reporting by out-of-state facilities.

Table 11. Births to Teens by Age Group, Race of Mother and County of Residence, Wisconsin 2003

County	Total	<18			18-19			Total <20		
		White	Black	Other	White	Black	Other	White	Black	Other
Total	6,317	1,109	644	193	3,136	942	293	4,245	1,586	486
Adams	21	7	1	-	13	-	-	20	1	-
Ashland	28	2	-	3	15	-	8	17	-	11
Barron	47	11	-	-	35	-	1	46	-	1
Bayfield	6	-	-	2	4	-	-	4	-	2
Brown	300	69	5	24	164	3	35	233	8	59
Buffalo	7	2	1	-	4	-	-	6	1	-
Burnett	18	4	-	2	10	-	2	14	-	4
Calumet	33	6	1	2	21	-	3	27	1	5
Chippewa	45	7	-	-	37	-	1	44	-	1
Clark	36	12	-	-	24	-	-	36	-	-
Columbia	42	8	-	-	33	-	1	41	-	1
Crawford	16	4	-	-	12	-	-	16	-	-
Dane	306	50	31	8	158	49	10	208	80	18
Dodge	79	14	-	1	64	-	-	78	-	1
Door	19	1	-	-	17	-	1	18	-	1
Douglas	51	14	1	1	33	1	1	47	2	2
Dunn	43	10	-	3	29	-	1	39	-	4
Eau Claire	89	16	1	5	56	2	9	72	3	14
Florence	2	-	-	-	2	-	-	2	-	-
Fond du Lac	86	21	-	-	63	2	-	84	2	-
Forest	16	2	-	1	9	-	4	11	-	5
Grant	55	16	-	-	39	-	-	55	-	-
Green	27	10	-	1	15	1	-	25	1	1
Green Lake	17	1	-	-	15	-	1	16	-	1
Iowa	13	2	-	-	11	-	-	13	-	-
Iron	3	-	-	-	3	-	-	3	-	-
Jackson	26	7	1	2	13	1	2	20	2	4
Jefferson	74	21	-	-	50	2	1	71	2	1
Juneau	29	5	-	-	22	-	2	27	-	2
Kenosha	228	42	14	2	127	41	2	169	55	4
Kewaunee	16	2	-	-	14	-	-	16	-	-
La Crosse	108	22	5	8	63	4	6	85	9	14
Lafayette	8	4	-	-	4	-	-	8	-	-
Langlade	24	4	-	1	19	-	-	23	-	1
Lincoln	27	3	-	-	24	-	-	27	-	-
Manitowoc	101	25	1	9	58	1	7	83	2	16

(Continued)

Table 11. Births to Teens by Age Group, Race of Mother and County of Residence, Wisconsin 2003

County	Total	<18			18-19			Total <20		
		White	Black	Other	White	Black	Other	White	Black	Other
Marathon	104	11	-	5	62	-	26	73	-	31
Marinette	38	5	-	-	32	-	1	37	-	1
Marquette	14	3	-	-	11	-	-	14	-	-
Menominee	18	-	-	8	-	-	10	-	-	18
Milwaukee	2,092	231	516	52	512	715	66	743	1,231	118
Monroe	51	17	1	-	32	-	1	49	1	1
Oconto	38	10	-	1	24	1	2	34	1	3
Oneida	26	5	-	-	21	-	-	26	-	-
Outagamie	145	27	-	15	86	-	17	113	-	32
Ozaukee	29	4	-	-	25	-	-	29	-	-
Pepin	5	1	-	-	4	-	-	5	-	-
Pierce	16	5	-	-	11	-	-	16	-	-
Polk	39	13	1	-	24	-	1	37	1	1
Portage	66	12	-	2	41	2	9	53	2	11
Price	11	1	-	1	9	-	-	10	-	1
Racine	324	68	41	2	126	82	5	194	123	7
Richland	16	6	-	-	10	-	-	16	-	-
Rock	232	54	14	3	136	24	1	190	38	4
Rusk	14	4	-	-	10	-	-	14	-	-
St. Croix	41	6	-	-	34	-	1	40	-	1
Sauk	56	10	-	1	44	-	1	54	-	2
Sawyer	18	2	-	2	8	-	6	10	-	8
Shawano	35	6	1	1	18	-	9	24	1	10
Sheboygan	125	22	1	7	76	4	15	98	5	22
Taylor	17	1	-	1	15	-	-	16	-	1
Trempealeau	29	8	-	-	21	-	-	29	-	-
Vernon	22	4	-	-	17	-	1	21	-	1
Vilas	22	2	-	3	9	-	8	11	-	11
Walworth	103	33	-	2	66	-	2	99	-	4
Washburn	14	4	-	2	8	-	-	12	-	2
Washington	70	11	-	-	59	-	-	70	-	-
Waukesha	147	38	4	1	101	2	1	139	6	2
Waupaca	63	13	1	-	49	-	-	62	1	-
Waushara	37	8	-	-	29	-	-	37	-	-
Winnebago	136	33	1	6	81	5	10	114	6	16
Wood	58	7	1	3	45	-	2	52	1	5

Source: Resident birth certificates, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Births to mothers of Hispanic origin are included within the race categories (see Technical Notes). This differs from the other tables related to race/ethnicity in this report. A dash (-) indicates there were no births in that category.

Local Information

Table 12. Births to Unmarried Teens by Age Group and County of Residence, Wisconsin 2003

County	<15	15-17	<18	18-19	<20	All Nonmarital Births
Total	84	1,709	1,793	3,627	5,420	21,497
Adams	-	7	7	8	15	50
Ashland	n/s	n/s	5	19	24	81
Barron	-	8	8	24	32	179
Bayfield	-	n/s	n/s	n/s	4	35
Brown	7	83	90	162	252	969
Buffalo	-	n/s	n/s	n/s	7	36
Burnett	-	6	6	11	17	58
Calumet	-	6	6	17	23	85
Chippewa	-	7	7	28	35	185
Clark	-	12	12	20	32	102
Columbia	n/s	7	8	30	38	165
Crawford	-	n/s	n/s	12	16	63
Dane	n/s	84	87	186	273	1,342
Dodge	n/s	13	14	52	66	240
Door	-	n/s	n/s	15	16	68
Douglas	-	15	15	25	40	193
Dunn	-	11	11	26	37	124
Eau Claire	-	20	20	49	69	304
Florence	-	-	-	-	-	2
Fond du Lac	-	19	19	55	74	306
Forest	n/s	n/s	n/s	12	15	54
Grant	-	16	16	35	51	149
Green	-	11	11	15	26	104
Green Lake	-	n/s	n/s	12	13	48
Iowa	-	n/s	n/s	7	9	64
Iron	-	-	-	n/s	n/s	11
Jackson	-	9	9	15	24	85
Jefferson	n/s	14	16	41	57	215
Juneau	-	5	5	17	22	97
Kenosha	n/s	53	54	145	199	721
Kewaunee	-	n/s	n/s	13	14	52
La Crosse	n/s	24	25	57	82	330
Lafayette	-	n/s	n/s	n/s	7	42
Langlade	-	4	4	14	18	66
Lincoln	-	n/s	n/s	16	18	78
Manitowoc	n/s	30	31	52	83	235
Marathon	-	13	13	68	81	351
Marinette	-	4	4	21	25	128
Marquette	-	n/s	n/s	10	13	54
Menominee	-	8	8	10	18	72
Milwaukee	49	716	765	1,152	1,917	7,322
Monroe	n/s	13	14	23	37	160

(Continued)

Local Information

Table 12. Births to Unmarried Teens by Age Group and County of Residence, Wisconsin 2003

County	<15	15-17	<18	18-19	<20	All Nonmarital Births
Oconto	-	11	11	24	35	107
Oneida	-	3	3	16	19	86
Outagamie	-	32	32	77	109	493
Ozaukee	-	n/s	n/s	22	25	97
Pepin	-	n/s	n/s	n/s	5	20
Pierce	-	5	5	11	16	101
Polk	n/s	13	14	22	36	147
Portage	n/s	10	11	39	50	172
Price	-	n/s	n/s	7	8	24
Racine	7	98	105	194	299	981
Richland	-	6	6	9	15	61
Rock	-	69	69	137	206	804
Rusk	n/s	n/s	n/s	8	11	49
St. Croix	-	5	5	26	31	162
Sauk	-	10	10	32	42	217
Sawyer	-	n/s	n/s	11	14	78
Shawano	-	6	6	21	27	139
Sheboygan	n/s	23	24	70	94	345
Taylor	-	n/s	n/s	11	13	53
Trempealeau	-	8	8	15	23	99
Vernon	-	n/s	n/s	16	19	84
Vilas	-	5	5	16	21	64
Walworth	n/s	30	32	57	89	308
Washburn	-	6	6	4	10	53
Washington	-	10	10	44	54	241
Waukesha	n/s	39	40	85	125	560
Waupaca	n/s	10	11	43	54	165
Waushara	-	7	7	15	22	79
Winnebago	-	33	33	73	106	455
Wood	-	8	8	33	41	228

Source: Wisconsin Bureau of Health Information and Policy, *Wisconsin Births and Infant Deaths, 2003*.

Notes: A dash (-) indicates there were no births to unmarried women in this age group. An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five total births (to married and unmarried mothers) occurred in the age group (see Table 9).

Local Information

Table 13. Births by Teen Age Group and Selected Places of Residence, Wisconsin 2003

City	<15	15-17	<18	18-19	<20	All Births
Appleton	-	31	31	68	99	1,292
Beloit	-	32	32	65	97	593
Brookfield	-	-	-	3	3	231
Caledonia (T)	-	3	3	4	7	151
De Pere	-	4	4	10	14	312
Eau Claire	-	15	15	59	74	775
Fitchburg	-	2	2	4	6	190
Fond du Lac	-	12	12	44	56	640
Franklin	-	2	2	13	15	310
Green Bay	7	74	81	160	241	1,942
Greenfield	-	6	6	14	20	310
Janesville	-	25	25	62	87	909
Kenosha	-	50	50	144	194	1,778
La Crosse	1	25	26	46	72	603
Madison	3	59	62	156	218	3,097
Manitowoc	1	23	24	41	65	440
Menomonee Falls (V)	-	2	2	5	7	402
Mequon/Thiensville	-	1	1	1	2	203
Milwaukee	49	714	763	1,171	1,934	11,157
Mount Pleasant (T)	-	-	-	3	3	93
Muskego	-	-	-	5	5	228
Neenah/Menasha	-	16	16	31	47	642
New Berlin	-	1	1	4	5	410
Oak Creek	-	1	1	17	18	412
Oshkosh	-	20	20	47	67	730
Racine	7	90	97	174	271	1,677
Sheboygan	-	23	23	71	94	769
South Milwaukee	-	3	3	19	22	247
Stevens Point	-	8	8	27	35	310
Sun Prairie	-	2	2	13	15	398
Superior	-	13	13	26	39	360
Watertown	1	9	10	21	31	382
Waukesha	-	27	27	43	70	1,167
Wausau	-	10	10	46	56	542
Wauwatosa	-	-	-	3	3	570
West Allis	-	9	9	30	39	662
West Bend	-	6	6	20	26	448

Source: Resident birth certificates, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: A dash (-) indicates there were no births in that category.

This table includes cities with a population of 20,000 or more according to population estimates from the United States Census Bureau and the Wisconsin Department of Administration, Demographic Services Center. These estimates are provisional and subject to revision. Combined areas include: Mequon (C) with Thiensville (V); and Neenah (C) with Menasha (C).

Table 14. Births to Teens by County of Residence, Wisconsin 1993-2003

County	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Total	7,232	7,037	7,110	7,103	7,088	7,047	7,308	7,077	6,849	6,534	6,317
Adams	20	16	26	18	30	28	23	20	23	26	21
Ashland	23	27	22	29	29	17	26	33	19	22	28
Barron	55	59	73	62	60	59	60	45	55	63	47
Bayfield	20	13	20	15	17	11	21	8	14	12	6
Brown	258	249	242	256	278	278	290	332	290	304	300
Buffalo	11	18	9	9	7	7	9	15	12	11	7
Burnett	21	14	16	23	24	14	24	18	23	22	18
Calumet	23	30	24	30	23	36	30	20	33	19	33
Chippewa	85	65	64	66	70	73	87	73	68	62	45
Clark	42	34	32	30	39	43	35	37	36	42	36
Columbia	45	54	50	57	46	60	38	42	42	39	42
Crawford	18	20	21	14	22	21	23	25	22	25	16
Dane	290	300	301	296	328	330	339	382	358	335	306
Dodge	89	72	77	95	93	68	98	100	80	80	79
Door	21	25	17	25	25	19	20	25	21	18	19
Douglas	70	81	65	58	65	57	66	65	53	46	51
Dunn	34	37	37	43	44	47	38	34	40	33	43
Eau Claire	98	103	93	118	105	78	89	85	91	83	89
Florence	4	5	3	6	3	-	2	5	1	4	2
Fond du Lac	86	98	110	111	104	96	120	101	102	91	86
Forest	27	15	28	11	21	19	19	11	17	18	16
Grant	39	52	46	41	50	52	40	47	37	45	55
Green	24	36	28	35	24	23	38	26	31	30	27
Green Lake	20	23	22	26	24	22	14	26	18	19	17
Iowa	20	9	18	17	9	9	18	19	19	21	13
Iron	7	8	2	2	6	1	1	8	1	-	3
Jackson	26	28	26	21	24	26	32	31	21	22	26
Jefferson	78	59	62	71	76	86	88	79	70	83	74
Juneau	35	37	41	39	37	41	41	39	34	37	29
Kenosha	257	242	265	243	246	256	262	245	222	232	228
Kewaunee	12	6	14	21	15	12	18	19	13	17	16
La Crosse	105	101	95	85	104	115	114	81	105	95	108
Lafayette	13	14	18	10	6	10	14	16	20	13	8
Langlade	34	39	31	26	32	27	38	34	30	34	24
Lincoln	36	43	37	45	29	35	33	25	27	33	27
Manitowoc	67	87	75	82	82	94	90	85	80	88	101

(Continued)

Table 14. Births to Teens by County of Residence, Wisconsin 1993-2003

County	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Marathon	118	123	131	127	123	120	143	141	119	137	104
Marinette	40	41	47	42	45	41	42	53	49	39	38
Marquette	19	14	9	18	21	9	21	21	31	19	14
Menominee	20	13	18	16	21	20	23	18	27	16	18
Milwaukee	2,684	2,592	2,602	2,566	2,438	2,445	2,480	2,331	2,326	2,184	2,092
Monroe	67	63	68	63	50	63	53	71	56	52	51
Oconto	27	32	40	35	37	35	42	30	32	33	38
Oneida	38	41	19	30	40	31	26	27	28	21	26
Outagamie	133	122	134	153	149	144	171	162	161	172	145
Ozaukee	30	24	26	35	28	32	32	29	27	28	29
Pepin	6	5	5	5	6	5	9	7	8	6	5
Pierce	21	25	30	20	22	27	27	31	19	27	16
Polk	49	40	42	35	28	38	47	40	46	35	39
Portage	76	67	54	66	59	75	77	84	68	71	66
Price	15	15	23	16	14	13	13	7	9	10	11
Racine	390	356	354	348	353	365	348	352	291	328	324
Richland	20	15	26	13	17	18	18	15	22	12	16
Rock	251	261	233	243	272	252	266	257	273	244	232
Rusk	31	17	35	19	26	13	27	12	21	17	14
St. Croix	51	47	39	47	48	42	50	55	46	31	41
Sauk	60	50	56	65	69	66	63	63	75	79	56
Sawyer	27	26	24	28	22	23	28	32	32	22	18
Shawano	48	50	50	44	49	43	45	38	43	42	35
Sheboygan	115	102	136	122	111	138	150	132	138	107	125
Taylor	20	23	20	10	16	19	21	17	20	17	17
Trempealeau	31	28	30	28	21	28	24	24	29	16	29
Vernon	24	15	20	21	27	25	29	36	21	29	22
Vilas	24	14	28	20	20	13	14	18	20	18	22
Walworth	74	85	90	96	93	109	112	100	114	93	103
Washburn	18	19	16	17	21	13	19	20	22	18	14
Washington	70	62	70	80	73	88	89	77	76	63	70
Waukesha	168	199	188	174	186	206	174	191	146	153	147
Waupaca	77	63	78	68	70	68	52	56	53	46	63
Waushara	27	31	38	38	27	29	35	24	34	34	37
Winnebago	152	150	134	139	183	142	158	157	141	129	136
Wood	98	88	87	120	106	79	82	93	98	62	58

Source: Resident birth certificates, Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Numbers of births for 1996 reported here are slightly different from those published in the 1996 report because other states filed three duplicate records for Wisconsin teen residents. A dash (-) indicates there were no births in that category.

Definitions, Explanations of Terms, and Limitations of the Data

Teens. “Teens” in this report are females under 20 years of age. “Younger teens” are less than 18 years of age. “Older teens” are 18 to 19 years of age.

Race/Ethnicity Classifications. The Bureau of Health Information and Policy has reported maternal and child health data by race and ethnicity two different ways. The first presentation of data excludes persons of Hispanic/Latino ethnicity from any of the race categories and shows data for Hispanics/Latinos separately. Most of the tables and graphs in this report present the race/ethnicity data in this format. Table 11 includes Hispanics/Latinos within the racial categories.

Prior to 1994, Wisconsin birth reports included a racial category labeled “Indochinese.” Beginning in 1994, this category was redefined as “Laotian/Hmong” (who constituted approximately 95 percent of the Indochinese category). The remaining 5 percent of births in the Indochinese category were reallocated to the “Other” grouping; this includes Vietnamese, Cambodian, Thai, Chinese, Japanese, and East Indian.

Mortality.

Infant Deaths. The birth-death cohort is not completed until one full year after the end of the birth cohort calendar year. This publication reports mortality data on infants who died during 2003, rather than the mortality experience of the 2003 birth cohort, to allow more timely reporting on infant mortality.

Fetal Deaths. A fetal death or stillbirth is “a fetus which, after complete expulsion or extraction from the woman, does not breathe or show other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.” By Wisconsin statute, a stillbirth of at least 20 weeks’ gestation or 350 grams must be reported. Some 2003 stillbirths (fetal deaths) to Wisconsin residents are not included in this publication because some were less than 20 weeks’ gestation, some occurred outside Wisconsin, and an unknown number that occurred within the state were not reported. (Note: A fetal death report is not used for induced abortions.)

Limitations of the Data. Vital records information may have some limitations related to completeness, accuracy, and timeliness of registration, quality control procedures and classification problems. The reporting of live births and infant deaths is considered to be essentially complete for births occurring in Wisconsin. A cooperative exchange program between the states has been in operation for several decades to allocate birth and death certificates to the state of residence. Although this exchange program is not totally complete, the incompleteness is not of sufficient magnitude to seriously affect natality and infant mortality results.

Edit checks are incorporated in the software used for electronic transmission of birth certificate data, and the Vital Records Registration and Statistics Unit reviews birth certificates and death certificates for logical inconsistencies. Some errors remain after this review, but they are thought to have little, if any, effect on statistical results.

PPH 5365-03 (10/04)